

MEGA**LITE**



USER MANUAL

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Check that the unit has not been damaged during transport



**Read all cautions and warnings  
prior to operation of this  
equipment**

#### Protection Against Fire



Fire

1. Maintain a minimum of 1 foot distance from any type of flame.
3. Replace fuse only with the specified type and rating.
4. Do Not install the unit too close to a heat source.
5. Make sure cables are properly secured
6. Maximum surface operating temperature 140°.

#### Protection Against Fire



Electrical

1. Disconnect power before servicing.
2. For connection to main power supply proceed to page 5.
3. This unit must be earthed. (electronically grounded)
4. Do not expose unit to rain or moisture.

#### Protection Against Mechanical Hazards



Mechanical

1. Use safety chain when hanging unit.
2. Use quality clamps or bolts when positioning unit
3. Do not open unit while it is on, risk of electrical shock.

# Technical Information

## Part Numbers

4400- Vazt P100

## Mechanical Specifications

- DMX Connectors:** 3 pin XLR connectors in and out
- Thermal:** Maximum ambient temperature 104°  
Maximum surface temperature 140°
- Fastening System:** Double Mounting Yoke
- Display:** Digital
- Power connection:** Cable Mounted nema 5-15

Fixture	Packaging
Size: 11" x 10.75" x 8.68	Size: 10" x 10" x 14.6"
Weight: 6lb	Weight: 7lb



## Electrical Specifications

- LED Quantity:** 1 Penta LED Red, Green, Blue, White, Amber
- LED Watts:** 100W
- LED Lifetime:** 60 to 100 thousand hours
- LED Angle:** 60°
- Diffusion Angel:** 80°
- Refresh Rate:** 1200 Hz
- Power Input Voltage:** 110V-240 50/60 Hz
- Ballast:** Electronic auto switching
- Power Consumption:** Watts: 115  
Amps: 1.58

## Control & Programming

DMX 512 Protocol

- DMX Modes:**
- |        |            |                                 |
|--------|------------|---------------------------------|
| Mode A | 3 Channels | R,G,B                           |
| Mode P | 5 Channels | R,G,B,W,A                       |
| Mode H | 8 Channels | Dimmer R,G,B,W,A, Strobe, Macro |
- Control Options:** Display preset setting



## Main Power Connection

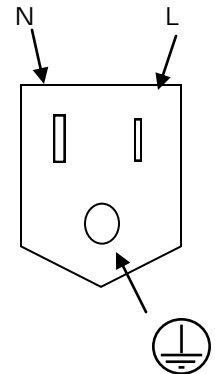
### Caution!

1. Do not connect fixture to a dimmer system.
2. This unit has Auto switching power supply. It will respond to 110V or 220V automatically
3. This unit must be earthed. (electronically grounded)
4. Replace fuse only with the specified type and rating.

The occupation of the connection-cable is as follows:

This fixture is equipped with an electronic power supply that will let the unit operate from 100V to 240V from 50Hz to 60Hz

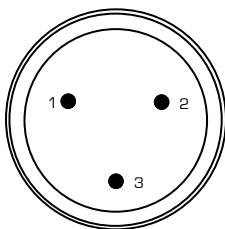
Cable (USA)	Cable (EU)	Pin	110V	220V
Black	Brown	Live	L	L
White	Light Blue	Neutral	N	L
Green	Yellow/Green	Ground		



## DMX-512 Connection

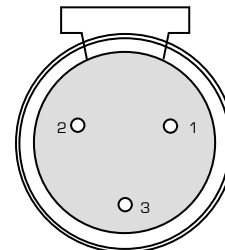
The fixture is equipped with 3 pin XLR Sockets for DMX input and output. The sockets are wired in parallel. Only use a shielded twisted pair cable designed for RS-485 and 3 pin XLR plugs and connectors in order to connect the controller with the fixture or the fixture with another.

### DMX—input



1. Shield
2. Signal [-]
3. Signal [+]

### DMX—output

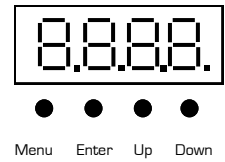


### Caution!

At the last fixture the DMX signal needs to be terminated with a terminator. Solder a 120 Ohm resistor between the [-] and the [+] signal into a 3 pin XLR plug and plug it in to the last fixture on the signal run. Pre-manufactured terminator plugs are available for purchase from your Mega-Lite dealer (HOS-DMXT).

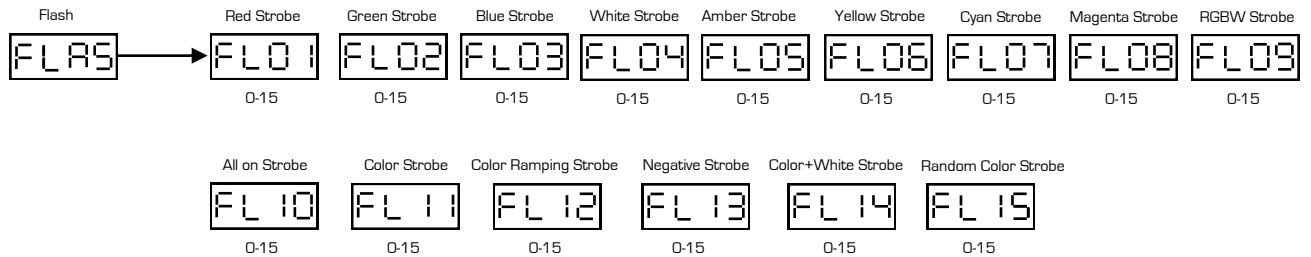
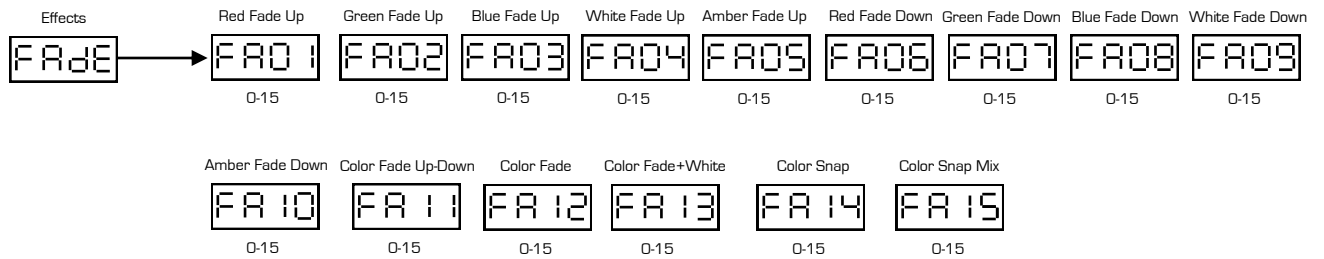
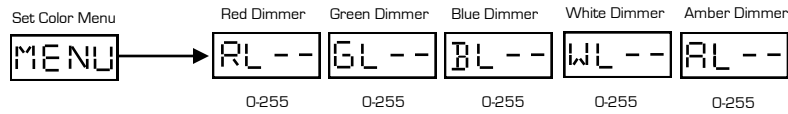
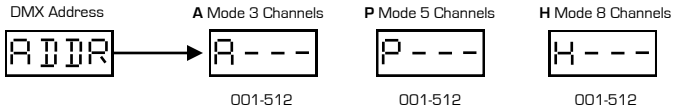
# Display Menu

The control board on the fixture base is your interface to access and control all the functions on the unit. Its digital display gives you a code view of the options and functions. The following will explain each function and its options. Press **Enter** to access the menu.



## Introduction

MEGA



## Dimming Speed

d i m -

- 0
- 1
- 2
- 3

## ADDR DMX Address

Press **Enter** to select the DMX start address channel. The first display will let you know what operation mode you are in. Use the **up/down** keys to select the desired mode. Press **Enter** to confirm. (first Letter will also change depending on what mode you are in) Use the **up/down** keys to select the desired start address press **Enter** to confirm

## MENU Set Color Menu

Press **Enter** to set a color via display control. . Use the **up/down** keys to select the desired color you would like to adjust. Press **Enter** to confirm. Use the **up/down** keys to select the desired intensity of the color. Press **Enter** to confirm.

## FADE Fade

This function allows you to select a preprogrammed fade sequences. Press **Enter** use the **up/down** keys to select desired fade program (15 options). Press **Enter** to set the desired sped use the **up/down** keys (15 options). Press **Enter** to confirm the settings.

## FLASH Flash

This function allows you to select a preprogrammed strobe sequences. Press **Enter** use the **up/down** keys to select desired strobe program (15 options). Press **Enter** to set the desired sped use the **up/down** keys (15 options). Press **Enter** to confirm the settings.

## DM- Dimming Speed

Press **Enter** to select the desired dimming speed when used with a DMX controler. Use the **up/down** keys to select from 0 to 3. 0 speed will be the fastest 4 will be the slowest. Press **Enter** to confirm.

## DMX Indicator

Address mode



Menu Up Down Enter

When DMX Signal is being received the last point on the control board display will turn flash. If there is no DMX signal present it will be on.

## DMX Profile

### Vazt P100 Mode A

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255

### Vazt P100 Mode P

DMX Chanel	Function	Description	Value
1	LED Color	Red LED intensity	0-255
2	LED Color	Green LED Intensity	0-255
3	LED Color	Blue LED Intensity	0-255
4	LED Color	White LED Intensity	0-255
5	LED Color	Amber LED Intensity	0-255

### Vazt P100 Mode H

DMX Chanel	Function	Description	Value
1	Dimmer	Dimmer Off to Full	0-255
2	LED Color	Red LED intensity	0-255
3	LED Color	Green LED Intensity	0-255
4	LED Color	Blue LED Intensity	0-255
5	LED Color	White LED Intensity	0-255
6	LED Color	Amber LED Intensity	0-255
7	Strobe	Strobe (slow to fast)	0-196
		Random Strobe (slow to fast)	197-255
8	Macro	No Function	0-1
		Color fade All (slow to fast)	2-19
		Color Snap All (slow to fast)	20-39
		Random Color Snap (slow to fast)	40-59
		Red fade dim to full (slow to fast)	60-79
		Green fade dim to full (slow to fast)	80-99
		Blue fade dim to full (slow to fast)	100-119
		White fade dim to full (slow to fast)	120-139
		Amber fade dim to full (slow to fast)	140-159
		Red fade full to dim (slow to fast)	160-179
		Green fade full to dim (slow to fast)	180-199
		Blue fade full to dim (slow to fast)	200-219
		White fade full to dim (slow to fast)	220-229
		Amber fade full to dim (slow to fast)	230-249
		Full On	250-255



## Rigging the fixture

### Caution!

1. The installations must be carried out by an authorized dealer or trained professional.
2. Unit may cause severe injuries if you have doubts concerning the safety do not install.
3. Unit is to be 24 inches away from flammable materials (decoration material)
4. Use high quality installation equipment to hang unit.

When rigging a unit it is very important that you follow common safety procedures. Rigging requires extensive experience including but not limited to calculating working loads, material being used and periodic safety inspections. If you lack these qualifications, do not attempt the installation yourself, instead use a professional structural rigger.

When rigging the unit always be secured with a secondary safety attachment. The installation location of the fixture has got to be built in the way that it can hold 10 times the weight for 1 hour without any harming. Installation should be checked at least one time a year by a skilled person.

## Cleaning and maintenance

**Installation Maintenance:** The operator has to make sure that the unit is operating safely and has the installations and electronics checked by an expert every year.

The following points have to be considered during the inspection:

- 1) All screws used for installing the device or part of the device have to be tightly connected and must not be corroded.
- 2) There must not be any deformations on the housing, fixation and installation spots (ceiling, suspension, trussing).
- 3) The electronic power supply cables must not show any damages, material fatigue (e.g. porous cables) or sediments. Further instructions depending on the installation spot and usage have to be adhered by a skilled installer and any safety problems have to be removed.

**Note:** There is no serviceable parts inside the device except for the LED's. Maintenance and service operations are to be carried out by authorized dealers.

**Replacing the fuse:** Only replace the fuse with the same type and rating.

**Replacing the power cable:** If the power cable of this device becomes damaged, it has to be replaced by authorized dealers or trained professional only.

**Should you have further questions , please contact your dealer.**

## Parts List

4400-FAN	Replacement fan
4400-MPCB	Main PCB card
4400-PS	Power Supply
4400-DIS	Display
4400-DF	Removable Diffusion Filter (included)
4400-GH	Gel Holder (included)
4400-KNOB	Knob Set
4400-LED	LED Replacement

## Accessory

4400-BD	Barn Door
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# Warranty Information

## Warranty Conditions

- Unless otherwise stated in writing, your product is covered by a one year parts and labor limited warranty.
- LEDs are not guaranteed to match in color temperature or output.
- It is the owner's responsibility to furnish receipts or invoices for verification of purchase, date, and reseller or distributor. If purchase date cannot be provided, date of manufacture will be used to determine warranty period.
- GOODS RETURNED UNDER WARRANTY MUST FOLLOW THE PROPER AUTHORIZATION PROCEDURE AND MUST BE ACCOMPANIED BY A COPY OF THE ORIGINAL INVOICE
- Goods repaired under warranty will be returned to the owner with the freight prepaid by MSI via the most economical means of shipment
- REPAIR OR REPLACEMENT AS PROVIDED FOR UNDER THIS WARRANTY IS THE EXCLUSIVE REMEDY OF THE CONSUMER. MEGA SYSTEMS INC. MAKES NO WARRANTIES, EXPRESS OR IMPLIED, WITH RESPECT TO ANY PRODUCT, AND MEGA SYSTEMS SPECIFICALLY DISCLAIMS ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. MEGA SYSTEMS SHALL NOT BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGE, INCLUDING LOST PROFITS, SUSTAINED OR INCURRED IN CONNECTION WITH ANY PRODUCT OR CAUSED BY PRODUCT DEFECTS OR THE PARTIAL OR TOTAL FAILURE OF ANY PRODUCT REGARDLESS OF THE FORM OF ACTION, WHETHER IN CONTRACT, TORT (INCLUDING NEGLIGENCE), STRICT LIABILITY OR OTHERWISE, AND WHETHER OR NOT SUCH DAMAGE WAS FORESEEN OR UNFORESEEN.
- Warranty is void if the product is misused, damaged, modified in any way, or for unauthorized repairs or parts. This warranty gives you specific legal rights, and you may also have other rights which vary from state to state.



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